DOCUMENT RESUME

ED 226 719 IR 010 600

AUTHOR Arsulich, Michael
TITLE Microcomputers in Education. Selected Bibliography.
PUB DATE 7 May 82
NOTE 22p.
PUB TYPE Reference Materials - Bibliographies (131)

EDRS PRICE MF01/PC01 Plus Postage.
DESCRIPTORS *Computer Assisted Instruction; *Computer Literacy; *Computer Managed Instruction; Computer Oriented Programs; *Computer Programs; Drills (Practice); Evaluation Criteria; Media Selection; *Microcomputers; *Programing
IDENTIFIERS Computer Games; Computer Simulation; Tutorial Mode

ABSTRACT

The more than 300 recent publications on microcomputers in education which are listed include guides, several books, ERIC documents, and journal articles. Entries are categorized by six primary topic areas: microcomputers; computer literacy; computer assisted instruction (drill and practice, tutorial, and simulation applications); computer managed instruction; computer programming; and computer software. Materials cover applications in varied content areas and grade levels, and include information on microcomputer and courseware selection, current programs, and evaluation of programs and applications. (LMM)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

ED226719

U.S. DEPARTMENT OF EDUCATION
NATIONAL INSTITUTE OF EDUCATION
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

This document has been reproduced as received from the person or organization originating it.

Minor changes have been made to improve reproduction quality.

Points of view or opinions stated in this document do not necessarily represent official NIE position or policy.

MICROCOMPUTERS IN EDUCATION

Selected Bibliography

by

Michael Arsulich

IR010600

"PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY

Michael Arsulich

Ron Adams

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

MICROCOMPUTERS IN EDUCATION

Selected Bibliography

Michael Arsulich, Librarian, Professional Resource and Development Center
Instructional Resource Center
Department of Education, San Diego County

MICROCOMPUTERS

Anderson, Cheryl A. Microcomputers in Education. U.S., Educational Resources Information Center, ERIC Document ED 198 812, October, 1980.

Barrett, Bradley K. and Michael J. Hannifin. "Computers in Educational Management: Merging Accountability with Technology." Educational Technology. 22: 9-12, March, 1982.

Barth, Richard. "The Handicapped Educational Exchange." Educational Computer. 2: 48-49, March-April, 1982.

Bauman, Ben M. and Lloyd D. Brooks. "Micros-User Considerations." Electronic Computer. 1: 32-33, 37, September-October, 1981.

Beck, John J., Jr. "The Microcomputer Bandwagon: Is It Playing Your Tune?" The Directive Teacher. 4:12, 27, Winter-Spring, 1982.

Bell, Arthur H. "Computer Anxiety." Media & Methods. 18: 4-5, 25, November, 1981.

Bell, Kathleen. "The Computer and the English Classroom." English Journal. 69: 88-90, December 1980.

Bennett, Wilma E. Checklist/Guide to Selecting a Small Computer. U.S., Educational Resources Information Center, ERIC Document ED 192 814, 1980.

Billings, Karen and Stephen Gass. "Adding a Micro to Your School Picture." Electronic Learning. 1: 35-40, January-February, 1982.

Bjorum, William. "A Plan for Introducing Microcomputers into Instruction." The Computing Teacher. 9: 52-53, March, 1982.

Bolton, Brenda A. "Solving Administrative Problems: Student Scheduling and Tracking System for the Microcomputer." Educational Computer. 2: 24-26, March-April, 1982.

Bolton, Harold and David K. Mosow. "Microcomputers in the Classroom: A Foot in the Door." Electronic Computer Magazine. 1: 34-36, September-October, 1981.

Botterell, Art. "Which Micro for Me? A Guide to the Prospective User." Educational Computer. 2: 30-31, January-February, 1982.

Burke, Michael A. and Jerry Kaiser. "OK, Who Took a Byte from My Apple ROM?" The Computing Teacher. 9: 36-37, April, 1982.

Braun, Ludwig. "Help!!! What Computer Should I Buy???" The Mathematics Teacher. 74: 593-598, November, 1981.

Calkins, Andrew. "From Classroom to Commerce: How Computer-Literate Teachers are Making Their Skills Pay Off." Electronic Learning. 1: 42-45, September-October, 1981.

_____ "Sparring Over Computers." Electronic Learning. 1: 34-36, 71, March-April, 1982.

_____. "State Governments & the New Technologies: A Report on What Each State Is Doing." Electronic Learning. 1: 56-59, 84, November-December, 1981.

"The Computing Diary Journal of a First-Year Computer User." Electronic Learning. 1: 74-5, November-December, 1981.

Computer Business Opportunities - 1981. Memphis, Tennessee: Datasearch Incorporated, 1981.

Costa, Betty. "Microcomputer in Colorado - It's Elementary." Wilson Library Bulletin. 55: 676-78, May, 1981.

Cox, Dorothy Anna Howard. Early Adolescent Use of Selected Problem-Solving Skills Using Microcomputers. U.S., Educational Resources Information Center, ERIC Document ED 200 449, 1980.

Cox, Dorothy and Carl F. Berger. "Microcomputers are Motivating." Science and Children. 19: 28-29, September, 1981.

Cunningham, Sandra. "Off to a Good Start With Microcomputers." Electronic Computer Magazine. 1: 38-39, September-October, 1981.

Daiute, Colette. "Word Processing: Can It Make Even Good Writers Better?" Electronic Learning. 1: 29-31, March-April, 1982.

Dameron, Dave. "Computer Sculpture." The Computing Teacher. 9: 12-14, January, 1981.

Deacon, Jim. "If I Had an Apple, What Would I Do With It?" Educational Computer Magazine. 1: 15, 23, September-October, 1981.

Doig, Stephen K. "Apple II's - VW's of the Micro World?" Electronic Education. 1: 5-9, December, 1981.

Douglas, Shirley and Gary Neights. Microcomputer Reference: A guide to Microcomputers. Microcomputers in Education Series. U.S., Educational Resources Information Center, ERIC Document ED 205 203, 1980.

Ehrenborg, John D. "Star Your Microcomputer in a Classroom Drama." Electric Computer Magazine. 1: 45-47, September-October, 1981.

Eisenrich, Jane. "Case Studies in Computerism." Educational Computer. 2: 36-37, January-February, 1982.

Ellis, Joseph. "Friend or Foe? Making the In-House Computer Work for Your School." NASSP Bulletin. 65: 16-23, May, 1981.

Erickson, Jonathan. "EL's Guide to Printers: What to Know Before You Invest." Electronic Learning. 1: 44-47, March-April, 1982.

Evans, Christopher. "An Invitation to the (Near) Future." Today's Education. 71: 12-15, April-May, 1982.

Feinstein, Jean L. "Using Micros to Attract Students to a Magnet School." The Computing Teacher. 9: 53-4, October, 1981.

Fors, George, ed. Microcomputer Guide. U.S., Educational Resources Information Center, ERIC Document ED 205 169, September, 1979.

Frederick, Franz J. Guide to Microcomputers. Washington, D.C.: Association for Educational Communications and Technology, 1980.

_____ "Inside Microcomputers." Today's Education. 71: 17-19, April-May, 1982.

Gass, Stephen. "Using Computer-Wise Students ... Wisely." Electronic Learning. 1: 26-27, September-October, 1981.

Geisert, Gene. "How to Ease Teachers Into the Computer Age." The American School Board Journal. 169: 29, March, 1982.

Gesshel-Green, Herb. "Getting Started in a High School: A Case Study." The Mathematics Teacher. 74: 610-612, November, 1981.

Grady, David. "Computers: The Key Word Is Learn; The Key Time Is Now." Learning. 10: 24, 30, 38, 44, 52, January, 1982.

Hall Keith A. Computer-Based Education. The Best of ERIC, June 1976-August 1980. U.S., Educational Resources Information Center, ERIC Document ED 195 288, November, 1980.

Hallworth, H.J. and Ann Brebner. Computer Assisted Instruction in Schools: Achievements, Present Developments, and Projections for the Future. Executive Summary. U.S., Educational Resources Information Center, ERIC Document ED 200 188, June, 1980.

Harris, Marlys. "Here Come the Microteens." Money. 1: 67-68, March, 1982.

Hedberg, Augustin. "Computers Come Home." Money. 11: 70-72, 74, 76, 78, 80, 82, March, 1982.

Heise, David. "Educators and the Knowledge Revolution." Electronic Computer Magazine. 1: 30-31, September-October, 1981.

Hirschbuhl, John J. "Hardware Considerations for Computer Based Education in the 1980's." Journal of Research and Development in Education. 14: 41-56, Fall, 1980.

Inman, Don and Donald Clyde. "Computer Applications." The Mathematics Teacher. 74: 618-620, November, 1981.

Jelden, David L. The Microcomputer as an Interactive Instruction System in the Classroom. U.S., Educational Resources Information Center, ERIC Document ED 194 710, 1980.

"Jobs for Two Million Workers." Voc Ed. 57: 30-31, April, 1982.

Jobs, Steve. "When We Invented the Personal Computer..." Computers and People. 30: 8-11, 22, July-August, 1981.

Johnson, Barbara and Carol Muscara. "Painless Functional Reading Practice." The Computing Teacher. 9: 47-48, September, 1981.

Johnson, Dale. "A Grade Assignment Program - A G.A.P." The Computing Teacher. 9: 29-34, October, 1981.

Johnson, James W. "Education and the New Technology: A Force of History." Educational Technology. 21: 15-23, October, 1981.

Judd, Dorothy H. "Word Processing and the Microcomputer: Creative Uses for Administration," Educational Computer. 1: 16, 18-19, November-December, 1981.

Keener, Thomas. "Shopping for Technology--Three Educators Tell What They'd Buy--and Why." Electronic Learning. 1: 29-31, 58-59, 62, September-October, 1981.

Keller, Paul F.G. "Maryland Micro: A Prototype Readability Formula for Samll Computers." The Reading Teacher. 35: 778-82, April, 1982.

Klassen, Daniel and Myron Solid. "Toward an Appropriate Technology for Education." Educational Technology. 21: 28-31, October, 1981.

Kurshan, Barbara. "Computer Technology and Instruction: Implications for Instructional Designers." Educational Technology. 21: 28-30, August, 1981.

Lambrecht, Judith J. and Jerry McClelland. "At Home with the Computer." Voc Ed. 57: 46, 50-51, April, 1982.

Levin, Dan. "Computers Now! The Future Is Today." The American School Board Journal. 169: 27-28, March, 1982.

_____ "What Your Should Know About Computers." American School Board Journal. 169:8, February, 1982.

Levin-Epstein, Michael. "PLATO It's Not Greek in Baltimore." Media & Methods. 18: 7, 20, November, 1981.

Levinson, Stephen E. and Mark Y. Liberman. "Speech Recognition by Computer." Scientific American. 244: 64-76, April, 1981.

Lewis, Arthur L. and others. Future Applications of Electronic Technology to Education. U.S., Educational Resources Information Center, ERIC ED 206 260, November, 1978.

Lobello, Tony. "Xerox's 820: No Surprises Here." Electronic Education. 1: 18-20, September, 1981.

Long, Sandra M. "The Dawning of the Computer Age: An Interview With Ronald Palamara." Phi Delta Kappan. 63: 311-313, January, 1982.

Lopez Antonio M., Jr. "Facilities for Microcomputers." American School & University. 54: 34-5, 38, 40, December, 1981.

Malsam, Margaret. "A Computer First for an Elementary School: Microcomputer Replaces Card Catalog." Electronic Computer Magazine. 1: 40-41, 53, September-October, 1981.

_____. "The Computer Replaces the Card Catalog in One Colorado Elementary School." Phi Delta Kappan. 63: 321, January, 1982.

Maples, M. Dundee. "Computer Camp Kids, Fun and Computers." Educational Computer. 1: 42, 51, November-December, 1981.

Marsh, Paul W. "Response to Computer Using Educators (CUE) Position Paper On Commercial Software Pricing Policies." The Computing Teacher. 9: 45-46, September, 1981.

Mason, Grace. "Widening Learning Horizons with TI LOGO." Educational Computer. 2: 40-41, 55, January-February, 1982.

Melmed, Arthur S. "Information Technology for U.S. Schools." Phi Delta Kappan. 63: 308-311, January, 1982.

Meuer, Leonard T. and John L. Sullivan. "Test Item Analysis: Do It By Computer." Electronic Computer Magazine. 1: 42-44, 51, September-October, 1981.

Miller, Benjamin S. "Bringing the Microcomputer Into the Junior High: A Success Story From Florida." Phi Delta Kappan. 63: 320, January, 1982.

Milner, Stuart D. "How to Make the Right Decisions About Microcomputers." Instructional Innovator. 25: 12-19, September, 1980.

Moore, Rod and others. Exploration of Career Information Delivery Systems Via Computerization. U.S., Educational Resources Information Center, ERIC Document ED 203 910, 1981.

Moursund, David. "Introduction to Computers in Education for Elementary and Middle School Teachers." The Computing Teacher. 9: 17-23, November, 1981.

_____. School Administrator's Introduction to Instructional Use of Computers. Eugene, OR: International Council for Computers in Education, 1980.

Moynihan, Michael D. "Computer Education - The Irish Experience." The Computing Teacher. 9: 54-5, March, 1982.

Nasman, Leonard O. "Computers Mean New Decisions." Voc Ed. 57: 36-38, April, 1982.

Nerby, Connie and Bob Hilgenfield. "Using an Information Retrieval System in Junior High School." The Computing Teacher. 9: 53-54, September, 1981.

Neumann, Robert and John Ball. "The Space Age Comes to Alaska's Classrooms." Electronic Learning. 1: 52-54, 66, January-February, 1982.

Nilles, Jack M. "Telecommunicating: The Wired Worker." Voc Ed. 57: 47-49, April, 1982.

Oboler, Eli M. "From Books to Bytes." Library Journal. 106: 1877-80, October 1, 1981.

Odegard, George and Burt Theisse. "Saskatoon Holds Computer Science 10 Interchange Day." The Computing Teacher. 9: 51-53, December, 1981.

Osborne, Adam. Running Wild--The Next Industrial Revolution. Berkeley, CA OSBORNE/McGraw-Hill, 1979.

Ott, Jack P. "Projection of Teachers' Salaries for Contract Negotiations." Educational Computer. 2: 32-35, January-February, 1982.

Papert, Seymour. "Society Will Balk, But the Future May Demand a Computer for Each Child." Electronic Education. 1: 5-6, 31, September, 1981.

Pattie, Kenton and Mary Ernst. "Finding Funds for Microcomputers." American School & University. 54: 22-24, December, 1981.

"Personal Computers Help the Handicapped." Creative Computing. 8: 54-55, March, 1982.

Petruk, Milton W. Microcomputers in Alberta Schools. U.S., Educational Resources Information Center, ERIC Document ED 205 214, February, 1981.

Prince, Susan D. "Information At Your Fingertips: How One School Is Making It Happen." Electronic Learning. 1: 38-40, 63, September-October, 1981.

_____. "The Mini Or The Micro Which One Is Right For You?" Electronic Learning. 1: 44-46, 53, November-December, 1981.

Pritchard, William H., Jr. "Introducing Instructional Computing Into the Educational Environment." Electronic Education. 1: 15, 21-24, 30, September, 1981.

_____. "Instructional Computing In 2001: A Scenario." Phi Delta Kappan. 63: 322-325, January, 1982.

Radio Shack's Federal Funding Guide and Proposal Development Handbook for Educators. Fort Worth, TX: Tandy Corporation, 1980.

Ragan, Andrew L. "The Miracle Worker: How Computers Help Handicapped Students." Electronic Learning. 1: 56-58, 83, January-February, 1982.

Rawitsch, Don G. "The Minnesota Educational Computing Consortium." Voc Ed. 57: 43-4, April, 1982.

Renier, Grant J. "The Electronic Investment System: Making Money with Your Computer." The Futurist. 16: 18-21, April, 1982.

Robbins, Bill and Ross Taylor. "Getting Started in a Junior High School: A Case Study." The Mathematics Teacher. 74: 605-608, November, 1981.

Robin, Lisa. "Mr. Kornfeld and the Kids From Cupertino." Media & Methods. 18: 8-9, 25, November, 1981.

Rottier, Jerry. "Reducing Computer Tension." Instructional Innovator. 27: 28, March, 1982.

Sanders, William H. "Going Digital." Instructional Innovator. 27: 14-16, March, 1982.

Sather, Ruth. "Microcomputer, Media Center and Kids!" The Computing Teacher. 9: 23-26, December, 1981.

Scollon, Ron. "Computers and Linear Thinking." The Computing Teacher. 9: 59-60, December, 1981.

Seidel, Robert J. It's 1980: Do You Know Where Your Computer Is? U.S., Educational Resources Information Center, ERIC Document ED 190 059, March, 1980.

Shane, Harold G. "The Silicon Age and Education." Phi Delta Kappan. 63: 303-3-8, January, 1982.

Shostak, Robert. "Computers and Teaching English: Bits' N' Pieces." The Computing Teacher. 9: 25-26, September, 1981.

Simich, Jack. "Computers Transform an Industry." Voc Ed. 57: 33-35, April, 1982.

Slotnick, Daniel L. and Joan K. Slotnick. Computers Their Structure, Use, and Influence. Educational Technology Publications, 1979.

"Small Computer Helps Run Large Maintenance Operation." American School & University. 54: 56, 58, February, 1982.

Stern, Nancy. "Who 'Invented' the First Electronic Digital Computer?" The Computing Teacher. 9: 42-48, February, 1982.

Stevens, Dorothy Jo. "Computers, Curriculum, and Careful Planning." Educational Technology. 21: 21-4, November, 1981.

Stewart, L.R. "Examine the Multiplicity of Computer Uses." The American School Board Journal. 169: 32, 45, March, 1982.

Sturdevant, Rosemary. "Microcomputers and Copyright in Education." Phi Delta Kappan. 63: 316-317, January, 1982.

Sturdivant, Patricia. "How to Write a Winning Proposal." Electronic Learning. 1: 26, 28, November-December, 1981.

_____. "Raising Money for Technology: Some 'Do-It-Yourself' Ideas." Electronic Learning. 1: 22, 24, September-October, 1981.

Stutzman, Carl R. Computer Supported Instruction in California Elementary and Secondary Schools. U.S., Educational Resources Information Center, ERIC ED 206 304, March, 1981.

Tallant, Dale M. "A Computer in the Classroom!" The Computing Teacher. 9: 11-13, December, 1981.

Taylor, Robert, ed. The Computer in the School: Tutor, Tool, Tutee. New York: Teacher College Press, 1980.

Thompson, James. "The Little Computer That Could." Instructional Innovator. 27: 17, March, 1982.

Thomas, James L., ed. Microcomputers in the Schools. Phoenix, AZ: Oryx Press, 1981.

Tinker, Robert and Adeline Naiman. Microcomputers in Education: Applications of Micropressors in the Schools. U.S., Educational Resources Information Center, ERIC Document Ed 196 [illegible]55, May, 1980.

Tunsman, Cindy. "Computers in Education." The School Administrator. 39: Cover, 12-13, April, 1982.

Uthe, Elaine F. "The Computers in Our Lives." Voc Ed. 57: 26-29, April, 1982.

Wall, Elizabeth S. "When the Micro Comes, Where Will It Go?" Educational Computer. 1: 47-8, November-December, 1981.

Walters, Gregory M. "A Guide for the Design and Implementation of a Microcomputer-Based Learning Lab." Educational Computer. 2: 26-29.

Williams, Gregg. "A Closer Look at the IBM Personal Computer." Byte. 7: 36-48, 52, 54, 56, 58, 60, 62, 64, 68, January, 1982.

Winkle, Linda W. and Walter M. Mathews. "Computer Equity Comes of Age." Phi Delta Kappan. 63: 314-15, January, 1982.

Wynne, Robert C. and Alan Frotman. "Microcomputers: Helping Make Practice Perfect." Journal of Accountancy. p. 34-39, December, 1981.

Zaks, Rodnay. "When Your Computer Fails." Instructional Innovator. 27: 21, 32, March, 1982.

Zamora, Ramon. "Computer Town, USA?? Using Personal Computers in the Public Library." School Library Journal. 27: 28-31, April, 1981.

Zosel, Gary. "Computers and the Media Center: A Principal's Perception." The Computing Teacher. 9: 34-37, March, 1982.

Zucker, Andrew A. "The Computer in the School: A Case Study." Phi Delta Kappan. 63: 317-19, January, 1982.

COMPUTER LITERACY

Ahl, David H. "Pascal, Ada and Computer Literacy." Creative Computing. 7: 116, 118, 120, 122-3, November, 1981.

Aiken, Robert M. and Michael Moshell. "Computer Power." The Computing Teacher. 9: 12-14, April, 1982.

Anderson, Cheryl. "Teaching Computer Literacy." Electronic Learning. 1: 30-31, November-December, 1981.

Battista, Michael T. "Computer Literacy of Fifth Grade Students and Preservice Elementary Teachers Involved in Computer Programming Instruction." The Computing Teacher. 9: 37-9, November, 1981.

Beck, John J., Jr. "A Paradigm for Computer Literacy Training for Teachers." The Computing Teacher. 9: 27-28, October, 1981.

Blank, Patricia. "AS&U Goes to Computer School." American School & University. 54: 25-27, December, 1981.

Boss, Jacqueline. "Teaching Computer Literacy Through Low Resolution Graphics." The Computing Teacher. 9: 41-44, March, 1982.

Bristol, John L. "Computer Literacy at Lyons Township High." Voc Ed. 57: 40-42, April, 1982.

Carlson, Bart. Developing a Computer Literate Faculty at College of DuPage. U.S., Educational Resources Information Center, ERIC Document ED 203 935, 1980.

Clement, Frank J. "Affective Considerations in Computer-Based Education." Educational Technology. 21: 28-32, April, 1981.

Copple, Christine. Computers in the Secondary Mathematics Curriculum. U.S., Educational Resources Information Center, ERIC Document ED 204 144, June, 1981.

"Cupertino School District Develops Computer Literacy Curriculum." The Computing Teacher. 9: 27-34, September, 1981.

D'Angelo, John. "Logo: Discovering the Language is 'Quite Simple, Really'." Electronic Education. 1: 12-14, January, 1982.

"Developing Computer Literacy in K-12 Education." The Computing Teacher. 9: 43-48, November, 1981.

Dove, Lewis. "WIU: Bridging the Gap Between Faculty and Computers." Electronic Education. 1: 22-23, January, 1982.

Ever, Jacob. "Basic Beats Pascal." Creative Computing. 7: 166, 168, 170, 172, November, 1981.

Feddern, Barbara. "Playing Computer A Computer Literacy Activity for the Elementary Grades." The Computing Teacher. 9: 57-9, October, 1981.

Forbes, Roy H. "The Information Society." The School Administrator. 39: 16-17, April, 1982.

Gleason, Gerald T. "Microcomputers in Education: The State of the Art." Educational Technology. 21: 7-18, March, 1981.

Gottfried, Phyllis. "Microcomputers in Education: Suggestions for a Shared Approach." The Computing Teacher. 9: 52-4, November, 1981.

Gress, Eileen K. "A Computer-Literacy Module for the Junior High School." Arithmetic Teacher. 29: 46-49, March, 1982.

_____ "The Future of Computer Education: Invincible Innovation or Transitory Transformation?" The Computing Teacher. 9: 39-42, September, 1981.

Guthrie, John T. "Research: One Computer Literacy Skill." Journal of Reading. 24: 458-60, February, 1981.

Haney, Michael R. "The Computer in Science Education: Defining the Role of Technology." The Computing Teacher. 9: 32-35, April, 1982.

Hirshberg, Peter. "A Museum That Develops Computer Literacy." Instructional Innovator. 26: 28-30, September, 1981.

_____ "Compu-tats and Other Joys of Museum Life." Instructional Innovator. 26: 28-30, September, 1981.

Huff, Edward and Monica F. Sasscer. "TICCIT System at Northern Virginia Community College." Voc Ed. 57: 45, 54, April, 1982.

Hungate, Harriet. "Computers in the Kindergarten." The Computing Teacher. 1: 15-18, January, 1982.

Hunter, Beverly. An Approach to Integrating Computer Literacy Into the K-8 Curriculum. U.S., Education Resources Information Center, ERIC Document ED 195 247, October, 1980.

Johnson, David C. "Computer Literacy--What Is It?" Mathematics Teacher. 73: 91-96, February, 1980.

Klassen, Daniel L. and others. A Study of Computer Use and Literacy in Science Education. Final Report, 1978-1980. U.S., Educational Resources Information Center, ERIC Document ED 191 712, 1980.

Landry, Michael. "Algebra and the Computer." Mathematics Teacher. 73: 663-67, December, 1980.

Larsen, Sally G. Computers for Kids. Atari Edition. Morristown, NJ, Creative Computing Press, 1981.

_____. Computers for Kids. TRS-80 Edition. Morristown, NJ, Creative Computing Press, 1980.

Lockard, James. "Computers Blossom at a Small School in Iowa." Instructional Innovator. 25: 25, 48, September, 1980.

Lopez, Antonio M., Jr. "Computer Literacy for Teachers: High School and University Cooperation." Educational Technology. 21: 15-18, June, 1981.

Luehrmann, Arthur. "Computer Literacy." The Computing Teacher. 9: 24-26, March, 1982.

Molnar, Andrew R. The Next Great Crisis in American Education: Computer Literacy. U.S., Educational Resources Information Center, ERIC Document ED 191 733, February, 1978.

Neights, Gary. "Pennsylvania's Statewide Initiative." Instructional Innovator. 26: 26-7, September, 1981.

Park, Richard A. and others. "RPI Gives Ataris to Freshmen to Study Effects on Campus." Electronic Education. 1: 6-8, January, 1982.

Rawitsch, Don G. "Teaching Educators About Computing: A Different Ball Game." The Computing Teacher. 9: 27-32, December, 1981.

Robinson, Sharon P. "Questions for Teachers." Today's Education. 71: 27-8, April-May, 1982.

Rowland, David L. and Larry J. Crisler. The Computer as a Research and Teaching Instrument for Students in the Behavioral Sciences. U.S., Educational Resources Information Center, ERIC ED 206 224, 1981.

Tabler, M. Bernardine and Marilyn H. Jacobson. "Ideas." Arithmetic Teacher. 28: 19-24, May, 1981.

Trippett, B.L. "Town and Gown Say 'I Do'." Instructional Innovator. 26: 30-1, September, 1981.

Vockell Edward L. "A CAI Course for Teacher: Stimulus to Creative & Critical Thinking." The Computing Teacher. 9: 35-39, December, 1981.

Watson, Nancy A., ed. Microcomputers in Education: Getting Started. Conference Proceedings (Tempe, Arizona, January 16-17, 1981). U.S., Educational Resource Information Center, ERIC Document ED 205 216, January, 1981.

COMPUTER ASSISTED INSTRUCTION

a) Drill and Practice

Andriessen, J.J. and D.J. Kroon. "Individualized Learning by Videodisc." Educational Technology. 20: 21-25, March, 1980.

Brebner, Ann and H.J. Hallworth. A Multi-Media Cal Terminal Based Upon A Microprocessor With Applications for the Handicapped. U.S., Educational Resources Information Center, ERIC Document ED 198 791, April, 1980.

Burns, Patricia K. and William C. Bozeman. "Computer-Assisted Instruction and Mathematics Achievement: Is There A Relationship?" Educational Technology. 21: 32-39, October, 1981.

Callison, William. "The Potential is Great: Problems and Possibilities for Computer-Assisted Instruction." NASSP Bulletin. 65: 24-28, May, 1981.

Carroll, Barbara. "We Want Drill." The Mathematics Teacher. 74: 622, November, 1981.

Clark, D. Cecil and Dwayne H. Rogers. "The Study of Student Covert Behaviors With the Aid of Microcomputers." Educational Technology. 20: 46-49, November, 1980.

Dence, Marie. "Toward Defining the Role of CAI: A Review." Educational Technology. 20: 50-54, November, 1980.

Duc Quy, Nguyen and Jon Covington. "The Microcompute in Industry Training." Technological Horizons in Education Journal. 9:65-68, March, 1982.

Fisher, Glenn. "Grammar on the Microcomputer." Creative Computing. 7: 212, December, 1981.

Hofstetter, Fred T. "Computer-Based Recognition of Perceptual Patterns in Chord Quality Dictation Exercises." Journal of Research in Music Education. 28: 83-91, Summer, 1980.

Lally, M. "Computer-Assisted Teaching of Sight-Word Recognition for Mentally Retarded School Children." American Journal of Mental Deficiency. 85: 383-88, January, 1981.

Lawrence, Georgia A. "Typing Practice." Creative Computing. 7: 226, December, 1981.

Levy, Phyllis Staltzman. "The Algorithm Model for Schooling: An 'All Win' Combination." NASSP Bulletin. 65: 54-60, March, 1981.

Luehrmann, Arthur. "Planning for Computer Education - Problems and Opportunities for Administrators." NASSP Bulletin. 65: 62-69, April, 1981.

Macken, Elizabeth and others. "Considerations in Evaluating Individualized Instruction." Journal of Research and Development in Education. 14: 79-83, Fall, 1980.

Matthews, John I. "Microcomputer Application in Industrial Education." Man/Society/Technology. 39: 25-27, March, 1980.

Miller, Inabeth. "The Micros Are Coming " Media and Methods. 16: 32-34, 72, 74, April, 1980.

Nolen, Patricia. "Sound Reasoning in Spelling." Reading Teacher. 33: 538-43, February, 1980.

Pogue, Richard E. "The Authoring System: Interface Between Author and Computer." Journal of Research and Development in Education. 14: 57-68, Fall, 1980.

Ryan, Suzanne K. "CAM Challenges Students to Perform Better." Educational Leadership. 37: 590-93, April, 1980.

Walker, Robert J. An Update on Computers in the Classroom. U.S. Educational Resources Information Center, ERIC Document ED 203 849, 1980.

Wild, Jane H. "Computers May Help Basic Skill Students Improve Their Status." Electronic Education. 1: 27-28, September, 1981.

b) Tutorial

Abbott, Gerry. "Teaching the Learner to Ask for Information." TESOL Quarterly. 14: 5-16, March, 1980.

Blanchard, Jay S. "Computer-Assisted Instruction in Today's Reading Classrooms." Journal of Reading. 23: 430-434, February, 1980.

"Computers and Videotapes Help Teach Physics at Houston." American School and University. 53: 50, March, 1981.

"Computers are Objects to Think With." Instructor. 41: 86-87, 89, March, 1982.

Dugdale, Sharon. Using the Computer to Foster Creative Interaction Among Students. U.S., Educational Resources Information Center, ERIC Document ED 200 243, October, 1979.

Forman, Denyse. "Search of the Literature." The Computing Teacher. 1: 37-51, January, 1982.

Francis, Peter R. and others. "Them Bones: The Use of Computer-Assisted Instructional Techniques in the Teaching of Human Anatomy." The Computing Teacher. 9: 11-16, November, 1981.

Hartley, Philip and others. "Microcomputer Assisted Instruction in Psychology." Educational Computer. 2:32-3, March-April 1982.

Hinton, John R. Individualized Learning Using Microcomputer CAI. U.S., Educational Resources Information Center, ERIC Document ED 196 409, March, 1980.

Hoffman, Jeffrey L. and Keith Waters. "Some Effects of Student Personality on Success with Computer-Assisted Instruction." Educational Technology. 22: 20-21, March, 1982.

Joiner, Lee M. and others. "Independent Study: Route to Academic Equity for Rural High Schools." Educational Leadership. 38: 578-80, April, 1980.

Kamm, Steven D. Micro-Computer Tutorial Assistance Project. U.S., Educational Resources Information Center, ERIC Document ED 200 284, 1981.

Marcus, Stephen. "Compupoem: CAI for Writing and Studying Poetry." The Computing Teacher. 9: 28-31, March, 1982.

Mason, George E. "Computerized Reading Instruction: A Review." Educational Technology. 20: 18-22, October, 1980.

Results of Computer-Assisted Instruction at Bath Elementary School. U.S., Educational Resources Information Center, ERIC Document ED 195 245, 1979.

Shostak, Robert. "Computers and Teaching English: Bits ,N' Pieces." The Computing Teacher. 1: 49-51, November, 1981.

Sommers, Ray. "Microcomputers in Teaching Chemistry." Educational Computer. 1: 34-36, 39, November-December, 1981.

Underwood, John. "Using PILOT for 'Conversational' Foreign Language Programs." Educational Computer. 1: 33, 50, November-December, 1981.

c) Simulation

Ahl, David H. "Computer Games in Mathematics Education." The Mathematics Teacher. 74: 653-5, November, 1981.

_____ "Computer Simulation Games." Teacher. 97: 60-61, February, 1980.

Binns, J. Warren, Jr. "Camera Graphics for CAI - It's a Reality." Electronic Education. 1: 12-13, September, 1981.

Canelos, James J. "Evaluation of Three Types of Instructional Strategy for Learner Acquisition of Intervals." Journal of Research in Music Education. 28: 243-49, Winter, 1980.

Carlson, Ronald J. "Buffon's Needle Problem on a Microcomputer." The Mathematics Teacher. 74: 638-640, November, 1981.

Conklin, Kenneth R. "Using Determinants and Computers to Recognize Dependent and Inconsistent Linear Systems." The Mathematics Teacher. 74: 641-646, November, 1981.

Delforge, Clarence and Alfred E. Cloeser. Computer Assisted Instruction Credited with Raising Low Math Scores. U.S., Educational Resources Information Center, ERIC Document ED 191 686, 1977.

Ebersole, Gerri N. "Electronic Carrots." Today's Education. 71: 24-26, April-May, 1982.

Eisele, James E. "Computers in the Schools: Now That We Have Them." Educational Technology. 21: 24-27, October, 1981.

Elliott, Brownlee. "The Microcomputer as a Participant in Educational Simulations." The Computing Teacher. 9: 11-12, September, 1981.

Flowers, John D. Making Water Pollution a Problem in the Classroom Through Computer Assisted Instruction. U.S., Educational Resources Information Center, ERIC Document ED 196 702, October 1980.

Fronk, Robert H. ",Scattergram' and ,Trendline': Two Graphics Utilities Programs for Apple II." The Computing Teacher. 9: 59-61, November, 1981.

Hallworth, H.J. and Ann Brebner. Computer Assisted Instruction in Schools: Achievements, Present Developments, and Projections for the Future. U.S., Educational Resources Information Center, ERIC Document ED 200 187, June, 1980.

Hartley, J.R. Using the Computer to Study and Assist the Learning of Mathematics. U.S., Educational Resources Information Center, ERIC Document ED 193 032, 1980.

Hopmeier, George. "New Study Says CAI May Favor Introverts." Electronic Education. 1: 15-17, September, 1981.

Jabs, Carolyn. "Game Playing Allowed." Electronic Learning. 1: 62-65, November-December, 1981.

Knill, George and George Fawcett. "The Mathematics of Sight." The Mathematics Teacher. 74: 636-7, November, 1981.

Lappan, Glenda and M.J. Winter. "A Unit on Slope Functions - Using a Computer in Mathematics Class." The Mathematics Teacher. 75: 118-22, February, 1982.

Menis, Yosef and others. "Improving Achievement in Algebra by Means of the Computer." Educational Technology. 20: 19-22, August, 1980.

Moursund, David. "Introduction to Computers in Education for Elementary and Middle School Teachers." The Computing Teacher. 9: 15-24, October, 1981.

Reynolds, Douglas S. and Ronald D. Simpson. "Pilot Study Using Computer-Based Simulations on Human Transactions and Classroom Management." Science Education. 64: 35-41, January, 1980.

Roberts, Nancy. "Introducing Computer Simulation Into the High School: An Applied Mathematics Curriculum." The Mathematics Teacher. 74: 647-652, November, 1981.

Rowe, Neil C. "Some Rules for Good Simulations." Educational Computer. 1: 37-40, November-December, 1981.

Tocci, Salvatore. "The Microcomputer/Biology ,Interface'." Science Teacher. 48: 60-62, May, 1981.

Rumelhart, David E. and Donald A. Norman. Simulating a Skilled Typist: A Study of Skilled Coguitive Motor Performance. U.S., Educational Resources Information Center, ERIC Document ED 203 050, May, 1981.

Wells, Bethany J. and D. Scott Bell. "A New Approach to Teaching Reading Comprehension: Using Cloze and Computer-Assisted Instruction." Educational Technology. 20: 49-41, March, 1980.

Winner, Alice-Ann. "Elementary Problem-Solving with the Microcomputer." The Computing Techer. 9: 11-14, February, 1982.

COMPUTER MANAGED INSTRUCTION

Allen, Kenneth R. "Competency-Based Vocational Education." Voc Ed. 56: 39-44, 52, June, 1981.

Allen, Michael. "Computer Managed Instruction." Journal of Research and Development in Education. 14: 33-40, Fall, 1980.

Bozeman, William C. and David B. Thomas. "Computers Can Manage, and Assist With, Instruction." Executive Educator. 2: 23-25, March, 1980.

Brown, Marc H. "What to Do When Your Computer Students Know More Than You Do." The Computing Teacher. 9: 41-45, October, 1981.

Caldwell, Robert M. "Guidelines for Developing Basic Skills Instructional Materials for Use with Microcomputer Technology." Educational Technology. 20: 7-12, October, 1980.

DeLaurentiis, Emiliano. "Learning by Interactive Programming: Microcomputer Applications." Educational Technology. 20: 10-14, Decembe , 1980.

Engel, F.L. and J.J. Andriessen. "Educational Technology Research: Computer-Aided Learning of a Foreign Vocabulary." Educational Technology. 21: 46-53, May, 1981.

Huntington, John F. "The Impact of Changing Computer Resources on Educational Institutions and Computer-Based Education Training Programs." Educational Technology. 21: 55-59, October, 1981.

McIsaac, Donald N. and Frank B. Baker. "Computer-Managed Instruction System on a Microcomputer." Educational Technology. 21: 40-46, October, 1981.

Podemski, Richard S. "Computer Technology and Teacher Education." Journal of Teacher Education. 32: 29-33, January-February, 1981.

School Microwave: A Directory of Educational Software. Over 500 Programs/ Packages for Apple, Pet, TRS-80. U.S., Educational Resources Information Center, ERIC Document ED 195 246, April. 1980.

Shigalis, Thomas W. "Geometric Tranaformations on a Microcomputer." The Mathematics Teacher. 75: 16-19, January, 1982.

Tennyson, Robert D. Advisement and Management Strategies as Design Variables in Computer Assisted Instruction. U.S., Educational Resources Information Center, ERIC Document ED 195 246, April, 1980.

Wager, Walter. "Issues in the Evaluation of Instructional Computing Programs." Electronic Computer Magazine. 1: 20-22, September-October, 1981.

Watkins, Marley W. and Cynthia Webb. "Computer Assisted Instruction with Learning Disabled Students." Electronic Computer Magazine. 1: 24-27, September-October, 1981.

Williams, Warren S. and others. "Using New Computer Software Products to Manage and Report Educational Data." Educational Technology. 21: 46-51, February, 1981.

COMPUTER PROGRAMMING

Ahl, David H. Basic Computer Games. Morristown, NJ: Creative Computing Press, 1980.

Barden, William, Jr. Programming Techniques for Level II BASIC. Fort Worth, TX: Tandy Corporation, 1981.

_____ TRS-80 Assembly-Language Programming. Fort Worth, TX: Tandy Corporation, 1979.

Burrowes, Sharon. "Teaching Documentation and Modular Programming to Intermediate Aged Students." The Computing Teacher. 9: 57-8, December, 1981.

Cole, Jim. TRS-80 Pocket Computer Programs. Fort Worth, TX: Tandy Corporation, 1981.

Dwyer, Thomas and Margot Critchfield. Programming in Style. Fort Worth, TX: Tandy Corporation, 1980.

Erickson, Jonathan. Going Ahead With Extended Color BASIC. Fort Worth, TX: Tandy Corporation, 1981.

Goetsch, David L. Computer Aided Drafting Workshop. Workshop Booklet. U.S., Educational Resources Information Center, ERIC ED 205 700, 1981.

Hamel, Bob. "Trysal: A Salary Schedule Program." The Computing Teacher. 9: 42-48, February, 1982.

Inman, Don. TRS-80 Graphics. Beaverton, OR: Dilithium Press, 1979.

_____ and others. Advanced Level II Basic. New York, NY: John Wiley & Sons, Inc., 1981.

Johnson, Craig W. "Running a Completely Automated Experiment by Microcomputer: An Example Program in BASIC." Educational Technology. 22: 22-24, March, 1982.

Lien, David A. BASIC Computer Language: It's Easier Than You Think! Fort Worth, TX: Tandy Corporation, 1978.

_____ Manual Del Usuario Para Nivel 1: Sistema De Micro-Computadora. Forth Worth, TX: Tandy Corporation, 1978.

Mims, Forrest M. III. Understanding Digital Computers. Fort Worth, TX: Tandy Corporation, 1980.

Ott, Jack P. "Projection of Teachers' Salaries for Contract Negotiations: A Real-World Problem for Student Programmers." The Computing Teacher. 9: 29-41, February, 1982.

PART I: Introduction to Basic. Student Manual. Fort Worth, TX: Tandy Corporation, 1979.

Robertson, J.D. and John P. Grillo. TRS-80 Graphics. Dubuque, IA: William C. Brown Co. Publisher, 1981.

Rogowski, Stephen J. Problems for Computer Solution. Teacher Edition. Morristown, NJ: Creative Computing Press, 1980.

_____ Problems for Computer Solution. Student Edition. Morristown, NJ: Creative Computing Press, 1980.

Rugg, Tom and Phil Feldman. TRS-80 Programs. Portland, OR: Dilithium Press, 1980.

Seidman, Robert H. The Effects of Learning a Computer Programming Language on the Logical Reasoning of School Children. U.S., Educational Resources Information Center, ERIC Document ED 205 203, April 14, 1981.

Smith, Donna G. Getting Started with Color Basic. Fort Worth, TX: Tandy Corporation, 1980.

Sternberg, Charles D. Using the TRS-80 in Your Home. Fort Worth, TX: Tandy Corporation, 1980.

Walker, Roger S. Understanding Computer Science. Dallas, TX: Texas Instruments Incorporated, 1981.

Weimer, Jim. "Implementing Computer Literacy and Computer Programming in a Small School." The Computing Teacher. 9: 15-21, December, 1981.

Zabinski, Michael P. Level II Basic and Computer Programming. Englewood Cliffs, NJ: Prentice-Hall, Inc., 1980.

COMPUTER SOFTWARE

Alexander, Wilma J. "The Problem of Software." Voc Ed. 57: 39, 54, April, 1982.

Dean, Jay W. "What's Holding Up the Show?" Today's Education. 71: 21-23, April-May, 1982.

Douglas, Shirley and Gary Neights. Instructional Microcomputer Software. Microcomputers in Education Series. U.S., Educational Resources Information Center, ERIC Document ED 205 201, no date.

Eldredge, Bruce and Kenneth Delp. "Software: How to Evaluate Educational Computer Programs." Media & Methods. 17: 4, 15, March, 1981.

Evaluator's Guide for Microcomputer-Based Instructional Packages. U.S., Educational Resources Information Center, ERIC ED 206 330, 1981.

Hilgenfeld, Robert. ",Checking Out' Software." The Computing Teacher. 9: 24-27, November, 1981.

"How to Be a Software Whiz." The Executive Educator. 4: 29-31, March, 1982.

Kansky, Bob and others. "Getting Hard-Nosed About Software: Guidelines for Evaluating Computerized Instructional Materials." The Mathematics Teacher. 74: 600-604, November, 1981.

Lathrop, Ann. "Building the Software Collection." Educational Computer. 1: 23, 30, November-December, 1981.

_____ "Microcomputer Software for Instructional Use: Where Are the Critical Reviews?" The Computing Teacher. 9: 22-26, February, 1982.

_____ "Softswap." The Computing Teacher. 9: 16-31, April, 1982.

Letellier, Lauren T. "Copying Softwave: Crime in the Classroom?" Electronic Learning. 1: 42-44, 51, January-February, 1982.

Levin, Dan. "These Experts Can Wake You from the Software Nightmare." The Executive Educator. 4: 26-28, March, 1982.

"Quality Software How to Know When You've Found It." Electronic Learning. 1: 33-36, November-December, 1981.

Roblyer, M.D. "When Is It ,Good Courseware'? Problems in Developing Standards for Microcomputer Courseware." Educational Technology. 21: 47-54, October, 1981.

Schneiderhan, Dale. "One State's Approach: Instructional Software Development." The School Administrator. 39: 14-15, April, 1982.

Skoman, Lucia. "Organizing a Microcomputer Software Collection." The Computing Teacher. 9: 55-6, October, 1981.

Steffin, Sherwin A. "The Educator and the Software Publisher: A Critical Relationship." Technological Horizons in Education Journal. 9: 63-64, March, 1982.

Stokes, Bill. "The Stringy Floppy Story." The Computing Teacher. 9: 17-18, February, 1972.

Vanecek, Mike and Debra White. "Software and Taxation: Beware." Journal of Systems Management. 33: 6-10, February, 1982.

May 7, 1982